Request No. 1. Copies of a written filing and/or copies of the various deeds demonstrating ownership of the land and buildings at the Laconia Meter Station in Concord, New Hampshire.

Response: The enclosed plot plan depicts the Concord station and shows the property boundary and Tennessee buildings at the site.

Responsible party: Chris Wilber
Title: Supervisor, Land Department

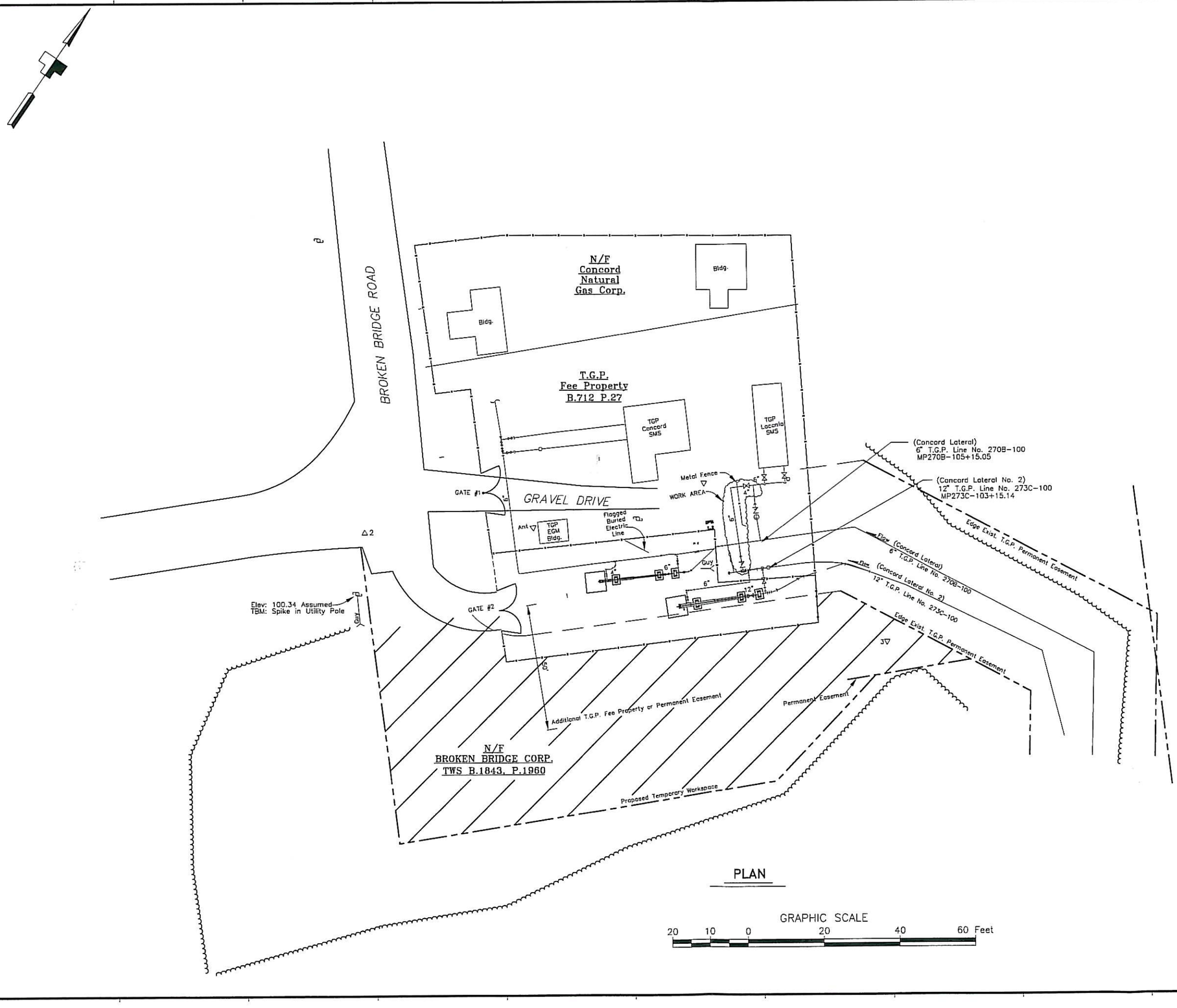
EXISTING ACCESS ROADS INTO THE PLANT WILL BE USED FOR CONSTRUCTION AND OPERATION.

APPROX. .81 ACRES OF PERMANENTLY DISTURBED AREA

APPROX. .50 ACRES UTILIZED BY OPERATION DISTURBED AREA

PLANT ENTRANCE GATE #1
X =975209.93
Y = 15696146.76
Lat. = 43°11'00"
Long =-71°29'42"

TEMPORARY WORK AREA
TREE LINE
P/L R.O.W. EASEMENT
WORK AREA
FENCE LINE



PLAN

GRAPHIC SCALE
20 10 0 20 40 60 Feet

CONTAINS CRITICAL ENGERY INFRASTRUCTURE INFORMATION DO NOT RELEASE

F.E.R.C. SUBMITTAL

DRAWING NUMBER	DRAWING TITLE
	REFERENCE DRAWINGS

NO.	DATE	BY	DESCRIPTION	PROJ. ID	APPR.
			REVISIONS		

Tennessee Gas Pipeline
an El Paso company

FIGURE XXX PLOT PLAN
PROPOSED YARD LAYOUT
METER STATION 270B-116
CONCORD EXPANSION PROJECT
MERRIMACK COUNTY, NEW HAMPSHIRE

Division: NORTHERN		Op. Area: HOPKINTON	
State: NEW HAMPSHIRE		Co./Par.: MERRIMACK	
Section:	Township:	Range:	
Drafter: DG	Date: 12/07	Project ID: 122713	Type: ACAD
Chk'd:	Date:	Scale: 1" = 20'-0"	
Appr:	Date:	Filename: TE-SMS270B-116-1.DWG	
TE-SMS270B-116-1		Sheet: 01 of 01	Rev. 0

Aug 14, 2008 - 12:07PM

Request No. 2. A diagram, schematic or other description of public water availability and/or fire hydrants available at the Concord meter station.

Response: The nearest fire hydrant is .2 miles north of the Concord station.

Responsible party: Chris Wilber
Title: Supervisor, Land Department

Request No. 3. A written explanation of the manner in which LNG would be used to alleviate any loss of service associated with construction of the proposed project.

Response: Tennessee's work at the Concord station is anticipated to take the line to Energy North Natural Gas, Inc d/b/a National Grid NH ("Energy North") out of service for two days during a period of low demand. The parties will be able to utilize a by-pass to avoid service interruption during the Concord construction.

Similarly, Tennessee will conduct its work at the Pelham site in a manner that should remove the risk of any loss of service to local distribution companies. However, when the Pelham work requires Tennessee to remove both twenty-inch lines from service, the remaining twelve-inch line will not be able to provide full volumes to the Granite Ridge power plant ("Granite Ridge"). Unfortunately, the use of LNG service is not a viable option for Granite Ridge. Instead, Tennessee will coordinate with Granite Ridge to ensure any service impacts are minimized.

Responsible party: Thomas Filip
Title: Principal Engineer

Request No. 4. A written explanation of the battery back-up process for power in the event of an electrical power outage.

Response: The measurement equipment at the Concord station is backed-up by batteries. The batteries have a projected life of twenty-four hours, which should be adequate time for Tennessee to respond to a power outage.

Responsible party: Stephen Rogers
Title: Supervisor, Area Operations

Request No. 5. An explanation of who the regular operations people who would be responsible for the Concord facility are, and how far they are from the facility.

Response: Tennessee personnel located in the Pelham, New Hampshire, area and in Hopkinton, Massachusetts, have primary operational responsibility for the Concord station. They inspect and test the measurement equipment at the Concord station on at least a quarterly basis. They also perform periodic maintenance activities and make non-routine visits when warranted. Representatives of Energy North also visit the station to perform work on their facilities.

Responsible party: Stephen Rogers
Title: Supervisor, Area Operations

Request No. 6. With respect to the Concord station, please provide a measurement of the distance from the meter station to the nearest residence.

Response: The distance between the closest Tennessee building at the Concord station and the garage at the nearest residence is 390'. Such residence will be located over 400' from the construction work associated with the project.

Responsible party: Chris Wilber
Title: Supervisor, Land Department

Request No. 7. A written description of the local emergency response training provided to local authorities, as well as a normal operating procedure offered for local responder training.

Response: Tennessee conducts meetings with emergency responders in the community. These emergency responders include all local, county, and state emergency responders and include local police, fire, state police, county sheriff, the local emergency planning commission, emergency management personnel, state regulators, and town officials. Tennessee's personnel conduct the meetings to discuss responding to natural gas emergencies, keeping a safe zone, things to do or not do around natural gas, identifying small leaks, pipeline surveillance, and pipeline facilities. Additionally, Tennessee personnel answer any specific questions regarding the facilities. Among the documentation distributed at these meetings are pamphlets entitled "Inside a Natural Gas Compressor Station;" "Safety First;" and a calendar that contains states' one-call numbers, facts about natural gas, recognizing and reporting pipeline emergencies, and information relating to Tennessee's pipeline maintenance program.

Responsible party: Stephen Rogers
Title: Supervisor, Area Operations

Request No. 8. Please submit one copy of the power point utilized at the Pelham meeting.

Response: An electronic copy of the PowerPoint presentation is enclosed herewith.

Responsible party: Mike Stokdyk
Title: Manager, Business Development

Concord Lateral Expansion Project

Pelham Public Meeting

July 17, 2008

Tennessee Gas Pipeline Company

Tennessee Gas Pipeline Company

- Interstate natural gas pipeline company that has operated in New Hampshire for over 50 years
- Provides transportation from the gulf coast to New England
  - 13,700 miles of pipe
  - 1.4 million horsepower of compression
- Subsidiary of El Paso Corporation -- owner of several other interstate pipelines

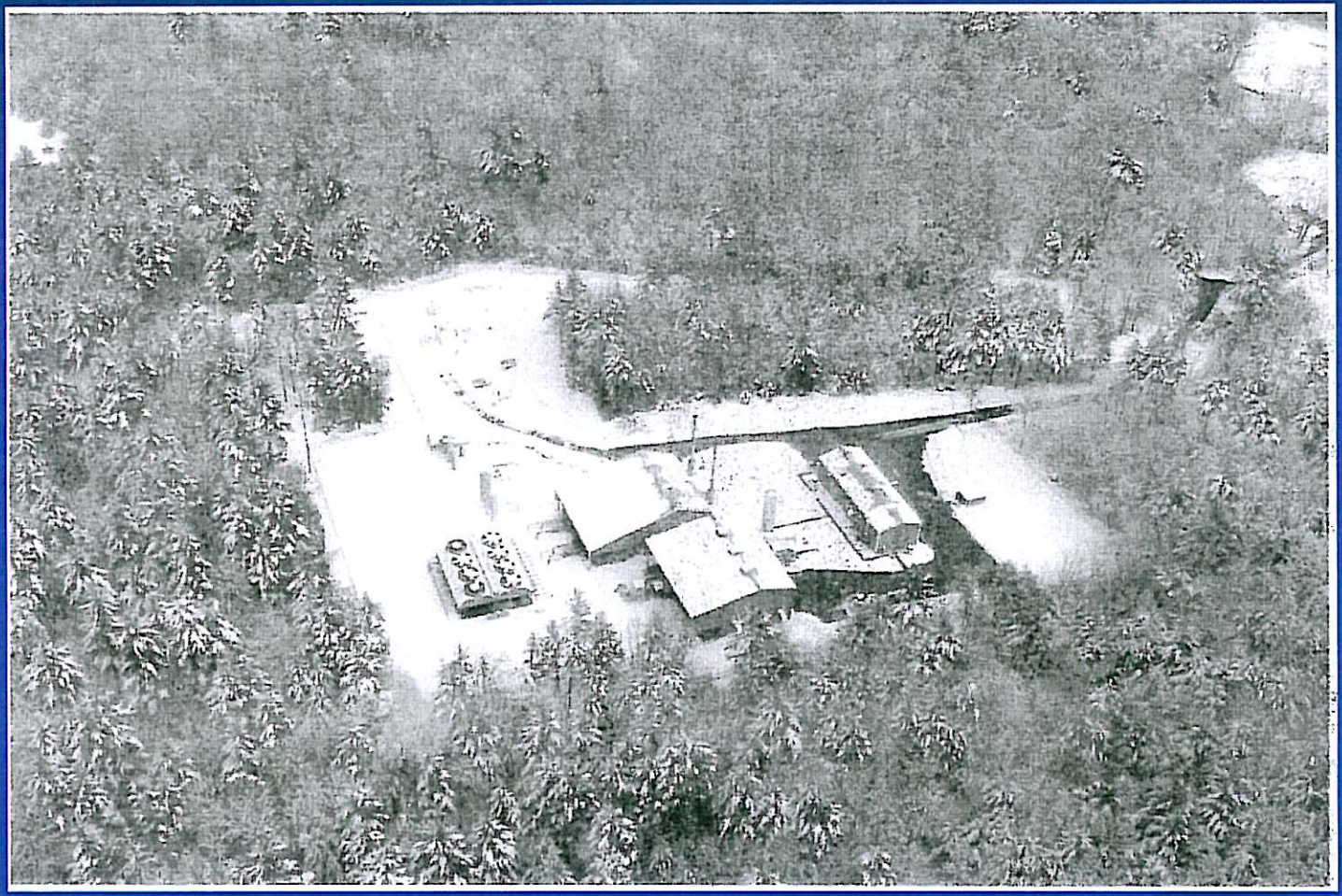
Project Description

- Expansion of existing natural gas pipeline system to serve New Hampshire growth needs
  - Customer is Energy North Natural Gas
  - New compressor station on 11 acre site located in Pelham Industrial Park
  - Minor piping modifications to the Laconia Measuring facility located in Concord, NH
- Anticipate in-service November 1, 2009

Outreach

- Met with Town of Pelham officials – December 2007
- Met with Town of Windham officials – January 2008
- Met with Town of Concord officials regarding meter work on – January 2008
- Landowner notices and notices in local papers – February 2008
- FERC site visit – April 2008
- Bus trip to Mendon for interested residents – June 2008
- Today's EFSEC public informational meetings

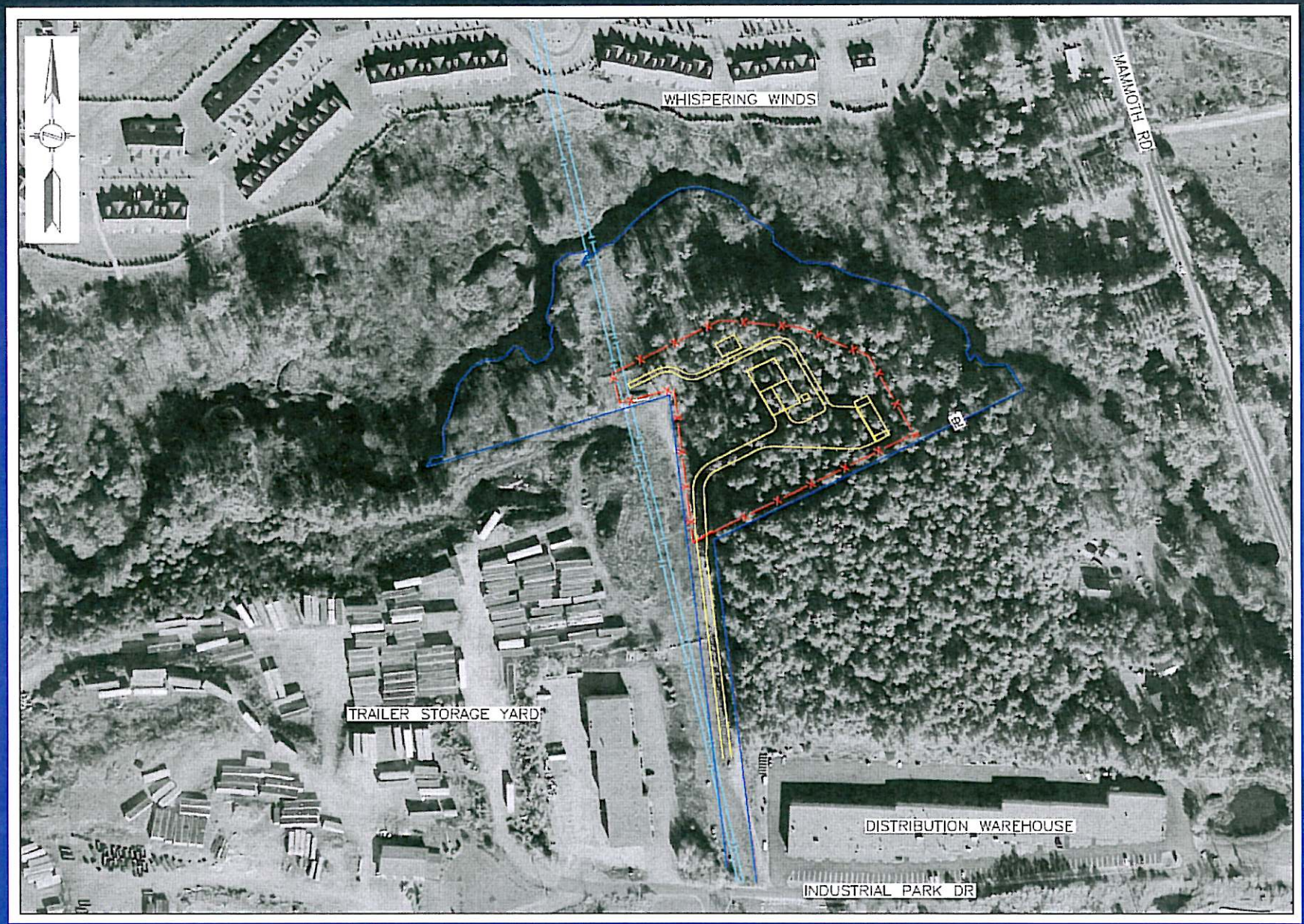
Typical Compressor Station



Mendon, Massachusetts

Buildings

Valve Shed


WHISPERING WINDS
MAMMOTH RD.
TRAILER STORAGE YARD
DISTRIBUTION WAREHOUSE
INDUSTRIAL PARK DR

Sound

- Difficult to describe type and levels such that everyone has a common understanding
- Controlled by federal regulations to 55 dBA at nearest residences
- Carefully established levels applied across the U.S.
- Sound is cumulative (wind + traffic + compressor)
  - Background sound was measured as 44 to 47 dBA
- Predictive modeling is a combination of science and art
- Guarantee - the station will be designed, constructed, (and if need be) modified to achieve 55 dBA or less at the nearest residence

Sound Mitigation Measures

- Sound insulation panels in compressor building
- VFD motors and low sound fans on gas discharge coolers
- Turbine and generator intake and exhaust mufflers
- Supplemental mitigation on gas piping
- Vent silencer

Aesthetics

- Station is located in an industrial park
- TGP will leave a buffer zone of trees to the north
- TGP will plant additional trees to improve that buffer
- TGP will use earth toned buildings

Concord Lateral Expansion Project

Pelham Public Meeting

July 17, 2008

Tennessee Gas Pipeline Company

Request No. 9. Please provide one copy of all of the slides contained in the aforementioned power point for the record.

Response: Paper copies of the slides in the PowerPoint presentation are enclosed herewith.

Responsible party: Mike Stokdyk
Title: Manager, Business Development

Request No. 10. A written explanation of the criteria to be used for hiring a sound expert to conduct sound testing within 30 days after the compressor station is in service.

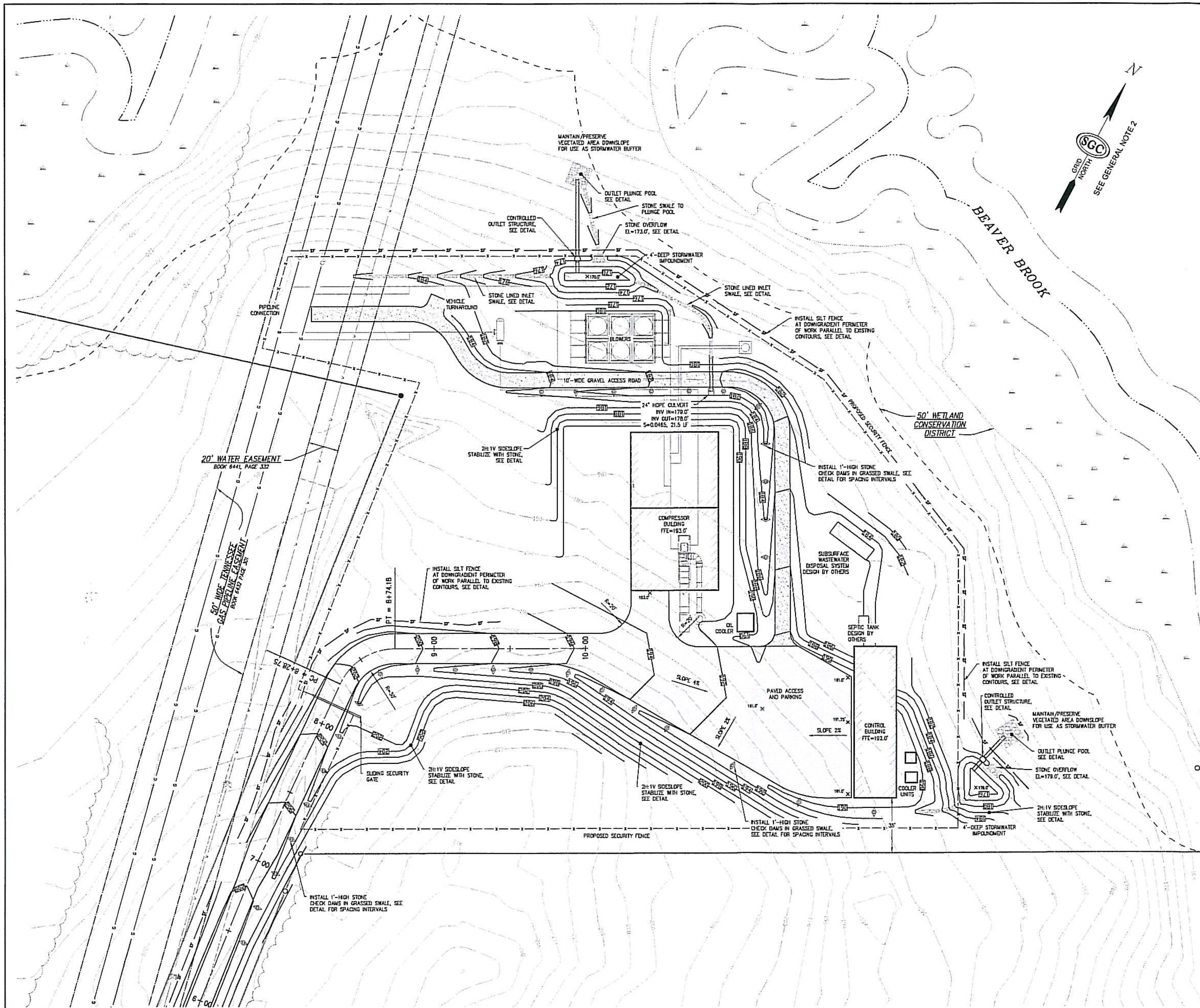
Response: Tennessee has engaged HFP Acoustical Consultants ("HFP") to work on this project. HFP specializes only in acoustical consulting, as the name suggests. HFP personnel are very well-qualified and experienced in the field of environmental sound. HFP is a member firm in the National Council of Acoustical Consultants, and is registered as a professional engineering firm by the State of Texas. Several of its consultants are licensed professional engineers, including Ronald Spillman, P.E., with over thirty years of experience in the field of acoustics, and David Jones, P.E,. with ten years. Les Frank, P.E., president of HFP, is a board certified member of the Institute of Noise Control Engineering, and has over thirty years of experience in the field.

Responsible party: Thomas Filip
Title: Principal Engineer

Request No. 11. Please provide an updated alteration of terrain plan. It is believed that the alteration of terrain plan used during the site visit in Pelham was a newer version.

Response: A copy of the most recent alteration of terrain plan is enclosed herewith. It is unchanged from the previous version filed with this Commission.

Responsible party: Thomas Filip
Title: Principal Engineer



GENERAL NOTES:

1. THIS DRAINAGE AND GRADING PLAN WAS PREPARED BY SGC ENGINEERING, LLC PURSUANT TO A PROFESSIONAL SERVICES CONTRACT BETWEEN EL PASO CORPORATION AND SGC ENGINEERING LLC, DATED MARCH 19, 2008
2. NORTH SHOWN HEREON IS GRID NORTH BASED ON UTM ZONE 19, NAD83, US SURVEY FEET.
3. ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88, US SURVEY FEET.
4. EXISTING FEATURES SHOWN ON THIS PLAN ARE THE RESULT OF A FIELD SURVEY CONDUCTED BY SGC ENGINEERING, LLC ON JULY 12-20, 2007.
5. WETLANDS SHOWN HEREON WERE FIELD LOCATED BY SGC ENGINEERING, LLC. THE AREA WITHIN FIFTY FEET OF THE DELINEATED WETLANDS SHOWN HEREON ARE PART OF THE WETLAND CONSERVATION DISTRICT, NO CUTTING IS ALLOWED WITHIN THIS DISTRICT.

PLAN REFERENCES:

1. BOUNDARY, TOPOGRAPHIC AND PLANIMETRIC MAPPING AS SHOWN ON THIS PLAN IS REFERENCED TO A PLAN ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY OF PROPERTY LOCATED ON INDUSTRIAL PARK ROAD, PELHAM, HILLSBOROUGH COUNTY, NH, PREPARED FOR EL PASO CORPORATION, BY SGC ENGINEERING, LLC, DATED 07/07/2007.
2. SITE LAYOUT OF GAS UTILITY BUILDINGS AND INFRASTRUCTURE BY EL PASO CORPORATION.
3. PRELIMINARY CIVIL DESIGN AND LAYOUT BY EL PASO CORPORATION.

LEGEND

EXISTING

- LOCUS PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT
- WETLAND CONSERVATION DISTRICT LIMITS
- GRADE CONTOUR
- STREAM CENTERLINE
- GAS PIPELINE
- WATER MAIN
- EDGE OF WATER
- WETLANDS
- PROPERTY MONUMENTS
- TEST PIT
- WATER VALVE
- GAS MARKER

PROPOSED

- BUILDING
- FENCE
- PAVEMENT
- GRAVEL
- SILT FENCE
- ROAD CENTERLINE
- GRADE CONTOUR
- CULVERT
- STONE CHECK DAM
- RIP RAP
- SPOT GRADE
- TEMPORARY CONSTRUCTION ENTRANCE

REVISIONS:

NO.	DATE	
0	---	CLIENT REVIEW
1	06-20-2008	NH DES RESPONSE

SGC ENGINEERING, LLC
• Civil Design & Survey Engineering
• Environmental & Regulatory Permitting
• Electrical Power Systems Engineering
SERVING OUR CLIENTS IN THE U.S.A. & CANADA

STATE OF NEW HAMPSHIRE · JOHN M. RIORDAN No. 0736 · LICENSED · PROFESSIONAL ENGINEER
ONLY VALID WITH ORIGINAL STAMP

PREPARED FOR:
TENNESSEE GAS PIPELINE
1001 LOUISIANA AVENUE
HOUSTON, TEXAS 77002

DATE: 04/11/2008 | DRAWN: NRP | PROJECT: 628001
DESIGN: NRP | CHECK: JMR | FILE: SITE_628001

TITLE:
DRAINAGE AND GRADING PLAN
COMPRESSOR STATION 270B1
CONCORD EXPANSION PROJECT
PELHAM, NEW HAMPSHIRE

SCALE: 1" = 30'

SHEET:
1.0